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COMMENTS:

DOES NOT CONTAIN CBI



The Chemical Company

February 25, 2013

Via Federal Express

United States Environmental Protection Agency - East
Attn: TSCA Section 8(e)
Room 6428
1201 Constitution Avenue, NW
Washington, DC 20004



Subject: Notice in Accordance with TSCA Section 8(e): Results of an EpiDerm™ Skin Corrosion Test with Electrolyte LP 57

Dear Section 8(e) Coordinator:

BASF Corporation is submitting results of an EpiDerm™ Skin Corrosion Test with Electrolyte LP 57 conducted by BASF SE, Ludwigshafen, Germany. Electrolyte LP 57 is a formulation composed of Carbonic acid, ethyl methyl ester, CAS No. 623-53-0, ethylene carbonate, CAS No. 96-49-1, and Lithium hexafluorophosphate(1-), CAS No. 21324-40-3.

Summary

The potential of **Electrolyte LP 57** to cause dermal corrosion was assessed by a single topical application of 50 µL of the test substance to a reconstructed three dimensional human epidermis model (EpiDerm™). Two EpiDerm™ tissue samples were incubated with the test substance for 3 minutes and 1 hour, each. Tissue destruction was determined by measuring the metabolic activity of the tissue after exposure using a colorimetric test. The reduction of mitochondrial dehydrogenase activity, measured by reduced formazan production after incubation with a tetrazolium salt (MTT) was chosen as suitable endpoint. The formazan production of the test-substance treated epidermal tissues is compared to that of negative control tissues. The quotient of both values indicates the relative tissue viability.

The EpiDerm skin corrosivity test showed the following results:

Test substance		Exposure: 3 min				Exposure: 1 hour			
		tissue 1	tissue 2	KC	mean	tissue 1	tissue 2	KC	mean
negative control	mean OD ₅₇₀	2.772	2.487	-	2.629	2.308	2.423	-	2.366
	viability [% of NC]	105.4	94.6	-	100	97.6	102.4	-	100
Electrolyte LP 57	mean OD ₅₇₀	1.908	1.986	-	1.947	0.149	0.133	-	0.141
	viability [% of NC]	72.6	75.5	-	74	6.3	5.6	-	6
positive control	mean OD ₅₇₀	0.270	0.275	-	0.273	0.098	0.153	-	0.125
	viability [% of NC]	10.3	10.5	-	10	4.1	6.5	-	5

These results indicate that the test substance should be considered as corrosive to the skin.

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BASF Corporation understands that reporting of the results from this study under TSCA 8(e) is in accordance with EPA's policy.

Please note the technical contact and address below and direct all correspondence regarding this submission accordingly. If you have any questions, please call (248) 948-2051.

Sincerely,

Technical Contact: Alisa Boucher

A handwritten signature in cursive script that reads "Alisa Boucher".

BASF Corporation
Product Regulatory Center of Expertise – North America
26701 Telegraph Road, Southfield, MI 48033

/enclosures

1467th_Letter.doc

From: (248) 948-2051
 Alisa Boucher
 BASF
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Origin ID: DETA



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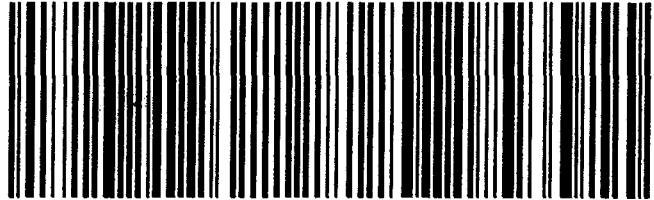
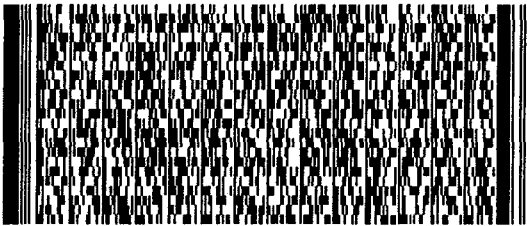
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